

CLAIMS

I claim:

1. A transport apparatus for disabled individuals comprising: a Mainframe with a Seat, the Seat having a backrest. The Mainframe has two side support structures with extension handles projecting rearwardly behind the Seat. The present apparatus, a system for conveying individuals, comprises a Mainframe, a Seat connected to the Mainframe, Front Extension Handles that are pivotally connected to the Mainframe by a Shaft for pulling the transporter on a One-Wheel or Ski Support Structure. The One-Wheel or Ski Support Structure is also pivotally connected to the Mainframe on the Shaft for directly supporting the weight of the user.

2. The apparatus of claim 1, further comprising four major components: a Mainframe assembly comprised of two side support structures for conveying a user. The Mainframe, Seat, and rear extension handles combine to form one piece having the Seat welded midway between the front and rear ends of the side support structures. A common Shaft attaches the Mainframe to a second Front Extension Handles section. This Shaft allows the Front Extension Handles to pivot freely with the Wheel or Ski Support Structure to enable the transport apparatus to be moved easily on various types of terrain.

3. The apparatus of claim 1, further comprising a Wheel or Ski Support Structure to pivotally attach to this shaft at the front of the Mainframe. This Structure allows the apparatus to traverse rough terrain during operation.
4. The apparatus of claim 1, further comprising a Seat having two side frame members having a chair shape. The Seat also having a backrest, with curves that conform to the user's body. The Seat also having webbing straps woven between the two side structures to support the user's body weight.
5. The apparatus of claim 4, further comprising Seatbelts attached to the Seat frame to wrap around the chest, waste and ankles of the user to hold him/her securely in place while being transported.
6. The apparatus of claim 1, further comprising Front Extension Handles attached to the Mainframe by a common pivot Shaft so as to allow the Front Extension Handles to pivot freely.
7. The apparatus of claim 1, further comprising a Wheel or Ski Support Structure pivotally mounted to the Mainframe and the Front Extension Handles by a common Shaft. This allows the Wheel or Ski Support Structure to pivot freely.

CLAIMS (continued)

8. The apparatus of claim 7, further comprising an Axel removably mounted in the center front to back between the sides of the Wheel or Ski Support Structure to pivotally attach a wheel or ski.

9. The apparatus of claim 7, further comprising a wheel with a tire made of durable material with large, gripping treads suitable for rugged travel or a ski for use upon snow or ice removably connected at the Axel.

10. The apparatus of claim 1, further comprising a Shock Absorber mounted at the back of the Seat between the back of the Wheel or Ski Support Structure and the base of the Mainframe behind the Seat.

11. The apparatus of claim 1, further comprising a Shaft, having a removable spring clip on one end, removably connected through pivot tubes. The Mainframe, Front Extension Handles and Wheel or Ski Support Structure pivot independently as a common hinge point.

12. The apparatus of claim 1, further comprising an adjustable Harness connectable to the Mainframe. The Harness having frame connectors for alternately connecting to the front of the Mainframe or the Front Extension Handles at the pivot point of the Mainframe and Front Extension Handles.

13. The apparatus of claim 1, further comprising a Handbrake lever and brake. The Handbrake lever is detachably mounted to the left extension handle at the rear of the Mainframe. A brake mechanism mounted at the rear of the Wheel or Ski Support Structure provides a clamp against the wheel to slow the transporter while in use and to provide for safe operation.

14. The apparatus of claim 1, further comprising a footrest to support the lower extremities and feet of the user.

15. The apparatus of claim 1, further comprising four (4) Kickstands mounted near the rear-most end of the rear push handles and above the footrest at the base of the front of the Mainframe beneath the Seat frame.

16. The apparatus of claim 1, further comprising the Mainframe, Seat, Wheel or Ski Support Structure and Front Extension Handles which are made of lightweight, chromium-molybdenum alloy steel tubing. The Mainframe and Seat are entirely welded together having no moving parts. The Wheel or Ski Support Structure and the Front Extension Handles are connected together at the pivot Shaft.

17. The apparatus of claim 1, further comprising Handgrip clamps attachably mounted to the Front Extension Handles thereto; the preferred embodiment is well suited for off-road or wilderness use when the Handgrip clamps are attached to both the front and rear extension handles.